HAMATEUR CHATTER

The Milwaukee Radio Amateurs' Club, Inc.

The World's Oldest Continuously Active Radio Amateur Club

February 1972 **Number . 27**

PRESIDENT'S NEWS AND VIEWS

At our Old Timers' Night at the Pabst Brewery Blue Ribbon Hall, over one hundred were there. This is a very important night for those old timers. You, too, will be an old timer if you keep up your license and keep our Club operating To keep it going we need you to take one of the offices of the Club. With each officer of the Club doing his part, no job is tough. I have selected Travis Baird as chairman of the nominating committee with Jack McLeland, Chet Sakura and Harold Engelke. Will you express your interest to any of these men of any job on the board that you would like to try? They will advise you and keep your conversation confidential if you wish.

I am listing here the results of the poll I took in November just to show that we have people that want to do something. These persons will be on that committee until June when the next president will select his own along with an existing committee.

1. Programs--W9ITD, W9ZQK, Jack Krause
2. Entertainment--K9DD, WA9RYF
3. Hamateur Chatter
   - A. Editorial--W9CTI, WB9BWP, WB9EMC
   - B. Tech Editor--WA9FBO, WA9POV
   - C. Personnel Editor--W90I
   - D. Photographer--Volunteer needed.
   - E. Production and Mailing--W9YYw, WB9CKG, WN9HYX, WA9JLU, WB9BGJ, W9MLL
4. Year Book--W9YYW, W9WVL (More help needed.)
5. Membership--W9ITD, W9ZQK
6. Public Relations--W9ZQK, W9WVL, W9CUJ, W9ITD, WB9BWP
7. Nominating--W9VQD, W9ATK, W9CTI, K9CMX
8. Historian--K9CMX
9. Badges--WA90KB, WN9FUH, WA9MLL, W90I, K9CMX, WB9EMV, W9ATK
10. Rules--K9CMX, W9ATK, W9YYW

Where there are three or more on this list, get together and select a chairman, then let me know who it is. The only committee that I would like to see as a holdover thru the summer is the year book committee to get together all new officers and members for publication this summer for the new roster. Go to work fellows! Field Day committee had better start planning for this summer. This is one committee that I did not have on the list and should have. Anyone that is interested in a committee spot including Field Day, please step up. We need your help!

Dick Oberholtzer, W9ZPV

Keep Saturday, May 20th open for the Yellow Thunder Hamfest at the Dellview Hotel in Lake Delton. FB committee already working.

FRED BRETHAUR, WB9AJL, DEC. 16, 1971

The Milwaukee Ham fraternity was saddened at the passing of Fred Brethaur during an eye operation. Fred was known in many segments of society, but in the ham circles was probably best known as the Chief Nut of the "Nutty Nut Net" on 21360. Almost every nite there would be a round table with the Chief Nut "presiding." It is interesting to note the origin of the "Nuts" as related by W9CCD. A few winters ago when WB9AJL, W9CCD and W9LUE were the first few in the net, a nightly comparison was made of the birds gathering at the feeders. Among the regular feeders were nuthatches and these would be duly commented and compared nightly by the bird-lovers. Eventually this observation became a little thin to W9LUE and he declared, "We ought to call this the Nutty Nut Net." Since this humble beginning many "nuts" have joined in the net and when the band opened up the Nutty Net drew in hams from all over the country. 15 meters will never be the same!

Herb J. Parish, W9CCD.....I first contacted Fred on 15 meters October 9, 1969 and after 483 WB9AJL log entries, little did I think that the last QSO was going to be on December 2, 1971 at 0405 GMT. Fred received his Radio Amateurs License a few years ago but his interest in amateur radio, however, began in the early twenties. The types of conversation on the net were of the early nostalgic days of amateur radio, photography, integrated circuitry, guns, fishing or any subject almost every night from 9 PM to 10 PM on our so-called Nutty Nut Network. There is much more that could be said about the good fellowship all of us had knowing Fred.

Wes Correll, W9FY.....Truly a great and lovable guy--one who thoroughly enjoyed ham radio and his many radio friends. Being a friend of his has been an experience I shall never forget. We have always looked forward to our daily 2-meter contacts. He will long be in our memories and will be missed on the air by many.

Jack Krause, W9UJM.....It was quite a shock to me to hear of the passing of the Chief Nut of the Nutty Net. We will all remember Fred. My sympathy to his family.

Tom Gettelman, W9IZO/VE7.....Tuesday and Thursday afternoons don't seem the same without our weekly skeds with Fred, my phone patch par excellence to Milwaukee. A FB guy and op, we'll all miss him.

Bill James, WB9HCN/WOKY.....I suppose I would still be enjoying hamdom if that garrulous voice hadn't come back to a CQ one night--but it wouldnt have been anywhere near as much, without Fred and the Nutty Network. (continued next page)

HAMATEUR CHATTER is the official organ for M.R.A.C. published bi-monthly. Meetings on the second Thursday of the month at MSOE, 1020 No. Broadway, 7:30 p.m. -- Everybody Welcome!

HAMATEUR CHATTER STAFF

Chet Sakura, W9CTI		Editor
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Bob Price, WA9JLU		Circulation
Ted Willett, W9NHE		Production

M.R.A.C. OFFICERS

President	Dick Oberholtzer	W9ZPV	782-9158
1st V. Pres.	Jim Ott	W9LCD	425-2358
2nd V. Pres.	Ray Weeks	WA9JOV	964-1996
Treasurer	Charles Dawson	W9CUW	352-9285
Secretary	Walt Glish	W9YYW	453-6693

Board Members: Travis Baird, W9VQD (Chairman); Jack McLeland, W9ATK; Emmett Koeble, K9DD; John Hopwood, W9KYT; Lloyd Wantland, WA9JKD; Harold Engelke, K9CMX; Chester Sakura, W9CTI.

WB9AJL.....Continued Fifteen was just fading out and WB9AJL invited this brand new ham to "come up to .360 where men are men." The ink was fresh on the license, and the nightly QSOs answered so many of my dumb questions.This happened in August 1971, and his death in nnDecember was a stunning loss to me and so many others who knew him personally or on the air. It is difficult to explain, except to those in the ham fraternity, your grief for a man you had never seen.

Jerry Friedel, WB9CIK.....Fred always called me to help repair his antennas--when it got cold --in true amateur tradition! I'll miss the hot coffee after a cold Sunday morning antenna job and the fellowship afterwards. He never got bored listening to anyone's conversation and interests.

BAND ACTIVITIES

#1 DXer in the world is a MRAC member. W9BG is certified 350 countries beating out W6AM. There was a FB pix of W6AM's shack in the QCWA News.

Teenagers are invited to join the Midwest Teen Age Net for traffic handling and rag chewing. It meets on 3737 KHz every day (except Friday and Saturday) at 6:00 CST. ....from SS

Arnie Bachman, K9DCJ is offering an award for working him in 50 Wisconsin counties or more. Rules are very simple and a beautiful certificate is offered. ....from SS

W9LCD was in 2-meter QSO with WB9GAD on the zoo interchange when he spotted an accident. W9ATK was monitoring the QSO and broke in to say he would contact the sheriff's department via his mobile phone. He reported back a few minutes later that the sheriff got a report just 30 seconds before. Nice work, though, fellows!

The new 2-meter repeater expands the local contacts and is working FB. A regular listener reports that he hears the "news" several times a day.

There is some sentiment of dropping the "Emergency" from the Lakeshore Emergency Net, where there's never an emergency. Join us on 29.5 MHz Monday nights at 7:30.

W9ZQK just about completed the addition to his house and includes a 15' x 15' ham shack (drool!) and will be back on the air soon. He had to take down his home-brewed tower soon after he put it up to make room for the addition. The tower was written up in a recent QST.

FACTS AND FIGURES FROM THE TREASURER

Two Year Summary

WHERE IT COMES FROM		WHERE IT GOES	
Dues	706.00	Instant Offset	537.71
		Postage	262.55
Dividends	301.84	Roster	191.92
		Catering	301.60
Roster Adv.	85.72	ARRL	198.00
		Photography	86.84
Valentine Dance	111.89	Picnic	127.88
		Badges	30.00
ARRL Renewals	198.00	Bank Ser. Chg.	25.70
		Lincoln Printing	18.00
Misc. Contrib.	42.00	Safe Deposit Box	11.00
		FCC	9.00
		Custodian	6.76
	1445.45		1807.96
Bal. 2/5/70	666.26	Bal. 1/18/72	303.75
	2111.71		2111.71

Charles C. Dawson, W9CUW
Treasurer, MRAC, Inc.
2345 W. Skyline Road
Milwaukee, Wisconsin

TREASURER'S RAMBLINGS BY W9CUW

The Club season, for many years, ran from the first meeting in September thru May. No meetings were held during June, July and August. At that time, meetings were held every Thursday. For a spell around 1959 the meetings were changed to the 1st three Wednesdays of the month then we got back our traditional Thursday still on the first three Thursdays of the month. In 1962, it was again changed to the 1st and 3rd Thursday, then in 1965 our meetings dropped to only the 1st Thursday of the month. Subsequently it was again changed to the 2nd Thursday of the month as it is at the present time. When meetings got down to one-a-month,they were also held during June, July and August. The Club season was September 1st through August 31st. The Regular dues has been $3.00 since 1945 and still is to this day. However, a change in dues structure has now been brought about. Beginning in July 1972 the Regular and Associate dues will be raised to $4.00. Student and Non-resident dues will be $3.00. As you can see, the Club season also is changed. It will begin the 1st meeting of July and extend through th following June. All dues is payable, then, with the July meeting 1972. Since the present Club season is shortened by some two months, in reality, there has been a dues increase this year, so to-speak. Our records are not accurate or up-to-date on exactly how many of our members are ARRL members. However, it could be easily ascertained if all ARRL members would renew their membership/ subscriptions to ARRL through the Club treasurer. During the past two years an average of only 18 members renewed their ARRL via the Club treasurer As you may or may not know, the renewal via an Affiliated ARRL Club such as ours can be had at so-called Club-rates. Why not take advantage of this offering? By so doing, your Club dues for a Regular member amounts to 3.50 instead of 4.00. 2.50 instead of 3.00 for Student or Non-resident members. A package deal is being made available in that a $10 bill pays for a Regular membership in the Club and when you get your ARRL renewal notice card, just send it to the treasurer for automatic no charge renewal. Student and Non-resident members need remit only $9.00.....

PLEASE ADVISE OF ADDRESS CHANGE

QUARTER CENTURY WIRELESS ASS'N., Inc.
WISCONSIN CHAPTER

WISCONSIN CHAPTER QCWA

With the Charter membership established, the next point of business is the printing and distribution of the Charter Roster and Certificate. There is a total of 63 paid up Charter members. A spring meeting is being discussed over the Net and suggestions will be accepted. The Sunday Net has been well attended with over 20 check-ins. Get into the action on 3985 Sundays at 9:00 AM. Listen for WB9CSQ who will be on 14300 every morning at 9:00 AM. He will be in California for several months. The final Charter list is as follows: (Double checked to prevent the big error of last report in the Hams' Chatter when W9EQ and W9NRP were inadvertently omitted!)

W9AQZ	W9BG	W9BKD	WB9BOT	W9CAS	W9CCD
W9CM	WB9CSQ	W9CTI	W9CUA	W9CUJ	W9CUW
W9CZZ	K9DD	K9DOL	W9DR	W9DXV	W9DZE
W9EAU	W9EDS	WN9EHA	W9EJD	W9ELY	W9EQ
W9ESJ	W9EWC	W9FMI	W9FY	W9GF	W9GIL
W9GPV	W9GSP	W9GYQ	W9HHG	W9JWT/5	W9KAJ
W9KHE	W9KIZ	W9KRO	W9MDG	W9NJH	W9NRP
W9NSE	W9NZF	W9OTL	W9OUT	W9PH	W9QYH
W9RKP	W9RNZ	W9RZL	W9SNH	W9SO	W9SQJ
W9SZH	W9UGN	W9UIV	W9VKC	WA9VNF	W9VOW
W9VQD	W9WVL	W9ZPV			
Silent Keys:		W9ONY	W9VZP		

W9CTI, Secretary

QRP OPERATORS

Tony, WA9PKB, has built an all-transistor QRP transmitter from the 1968 ARRL Handbook. The circuit, by W1CER, uses RCA 2102 transistors and includes a VEO. Tony runs 5 watts input CW (about 2 watts out) to an inverted Vee about 35' high. Although designed for both 80- and 40-meter operation, Tony prefers 40 and has 33 states and 2 South American QSOs. He predicts WAS and recommends the circuit for all who would like to try working lo-power for a change. What is in the future? QRP on 15, natcherly. WA9OKB also operates six meters nightly with an HX-30.

Charlie, WN9FUH is also a home-brewer and got started with an 8-watt rig built from Popular Electronics 3-4 years ago. He now uses a 50-watt CW transmitter on 40 that was built identically with the '69 Handbook circuit. Using a 12BY7 oscillator and 6DQ6 "TV tube," Charlie reports good results in working California with a dipole and says the parts are easy to get.

WA9FBO

CHATTER

Joe Taylor, W9OMT is the newly elected SCM. Send your activities to him. He succeeds Sid Pokorny, W9NRP, who did a fine job the last two years. Sid is planning to retire and may move down Arkansas-way.

Pay your QST subscription thru the club treasurer and save 50 cents.

Life member Art Brown, W9EZP still pays his dues. (Delinquents attention!!)

The editor is gratified with the response for volunteers in Hams' Chatter reporters. You will notice several articles bylined by them.

Auction tentatively scheduled for April MRAC meeting.

MILWAUKEE REPEATER CLUB

After several months without an open repeater the Milwaukee area again has one. WB9ADX came on the air last fall through the hard work and expense of two area amateurs, John LeFeber, W9VAT and Dick Robbins, WB9AIS. The system was carrier operated on 146.34 MHz input and 146.76 MHz output when it first came on the air from its temporary home in Waukesha. The repeater was off the air a few times during the next several weeks as problems were being ironed out and control systems added. The day finally came when the repeater was moved to its permanent location at a commercial radio site atop Prospect Hill in New Berlin. With a Yagi antenna aimed north from the 350 foot level of the tower, the system has a mobile range of approximately 75 miles to the north and 40 miles west. The system is nulled to the south to prevent interference to and from northern Illinois.

At present, the repeater consists of a Motorola 250 watt base station and a Sinclair duplexer. Other features are a female voice ID and automatic logging. A 2250 Hz tone of about .5 seconds duration is required to activate the repeater, and a 5 minute timer limits excessive use of the system.

After the repeater was on the air, Dick and John called a meeting of all those interested in forming a club. The initial turnout was tremendous. Response from amateurs of all interests made possible the forming of the Milwaukee Repeater Club, Inc. Initial guidelines were set and club dues of $10 annually was agreed upon. It was stated, however, that the repeater was open to all amateurs regardless of whether or not they are members of the club. The club dues go to pay for the upkeep of the repeater.

Officers of the club were appointed as follows: President: Dick Robbins, WB9AIS; Vice-President: Ray Grenier, K9KHW; Secretary: John Knapp, W9LQR; Treasurer: Ted Willett, W9NHE. John LeFeber, W9VAT is Chairman of the Board and all officers are on the Board of Directors of the non-profit Wisconsin corporation.

There are plans for replacing the repeater equipment with an all solid state repeater in the near future. More on this and other subjects was discussed at the next meeting of the club held January 31st at Nino's, 5353 N. Port Washington Road.

Anyone interested in joining the club but who cannot attend the meetings can send a check for $10 to Ted Willett at Instant Offset, 4913 W. Fond du Lac Ave. Checks should be made out to the Milwaukee Repeater Club, Inc.

WA9POV, Reporter

LASER BEAM DEMONSTRATION

An informative presentation of three-dimensional photography without a camera was given at the December meeting by Jim Masters of Wisconsin Telephone. A Helium-Neon laser with a low-power output was used to produce 3-D images of objects from holograms. The holograms were simply black and white film plates which were exposed to the interference pattern of two laser light beams, one of which was a reflection from the object to be "photographed." The startling results were seen as a porcelain horse formed in mid-air and in-depth shots of small figures. Future uses of holography include information data storage, 3-dimensional displays, entertainment, communication, and education.

WA9FBO

FOR SALE - Model 26 Teletype page printer. WA9UQJ 466-3590.

SHORT SKIP
FROM OTHER CLUBS AND ORGANIZATIONS

SMOKE SIGNALS BARABOO

The 1972 Officers are:

President	Ken Ebneter	K9GSC
Vice Pres.	Tom Luck	WB9BPS
Secretary	Jim Romelfanger	K9PKQ
Treasurer	Rev. Phil Anderson	WB9EWR

Another 6-months activities contest is under way with plenty of entries. January meeting was just-for-fun CW contest including a QLF contest. December issue sported two FB reproductions of the Apollo 15 walk. Hamfest committee has been formed with plenty of volunteers besides officers. Keep Saturday, May 22, open. An "easy" method of remembering the DB scales in your head was reprinted from ARNS and takes a page and a half of explanation and is to be continued next month! Congrats to: WB9EPT for passing his FCC 1st Class Phone. And he's only a senior in HS. The club is studying the addition on another 2-meter channel. With activity in Milwaukee on .67, it is thot that this channel would be useful and still not interfere with Milwaukee.

Jim Romelfanger K9PKQ

FALLS RADIO CLUB

Club meetings continue to be held on the last Tuesday of the month. Besides the coffee and doughnuts and ragchewing, sometimes club business is conducted. After the meeting much of the is continued at the local pub.

Dick Kimball, WA9MME

BEAR TRACKS FROM BEAR FACTS

New officers this year are:

President	Howie Schultz	W9MFB
Secretary	Al Belanger	W9MDG
Treasurer	Charles Dawson	W9CUW

W9MDG demonstrated the "BEEP" ball at the November meeting. Al has been the prime mover in the "beep" ball production and promotion in the Milwaukee area. The ball is used by visually handicapped children of all ages. Other "show and tell" presentations are urged for meetings. This seems to be a good program for any club. The December issue carried a reprint from "Modern Electric" on maintenance of wireless equipment and especially how to rejuvenate a coherer detector (circa 1910?). The January meeting was moved a few blocks away to the Pabst Blue Ribbon Hall to join the MRAC Annual O.T.s nite as welcomed "gate crashers."

Glenn Mattes, K9QHS

HAMTRIX

A FB Annual Christmas Party was held December 14th. This year the food was catered to allow our fine ladies to really enjoy the party for a change (Could it be a slight Womens' Lib res ction?...ed). WB9GKZ hit a soft spot when he was heard to say, "Anyone can buy a new rig; only a strong man can throw out his old gear!" HAMTRIX reports a list of time stations on the air besides WWV and CHU. There's thirteen more scattered around the world. Ron Hooker gave a FB demonstration on the construction of printed circuit boards.

Lynn Tamblyn, WA9KRF

FOR SALE--Moto 80D and RTTY gear Call Bob Schmid, WA9FBO. Call Frat house at 273-1787.

W9HHX MSOE

W9HHX is currently experiencing a major modification of the station. Past club members would have a hard time believing it is the same club. The operating room has been enlarged, making it about four feet wider. The school maintenance department repaneled and rewired the room. The club is planning on building a wall to separate the fone and CW-RTTY stations.

The infamous "black box" has been put out to pasture. The inards of it plus the Central Electronics 100v will be mounted in a more modern and compact cabinet. This plus the 75A4 will make up the CW-RTTY station. The Drake TR3 and Collins 30s1 will be used exclusively on SSB 80-10 meters. The 6 meter station is the Drake TR6. The "blabber mouth box" (Motorola 80D) provides 2 meter communication. The novice station consists of the Ranger and 2B. Work on antennas will be done soon as the snow goes (not in true amateur spirit!).

Due to all the work being done, operation has almost ceased. Consequently, prospective members have not been too anxious to join. It is hoped that after the station is fully set up that W9HHX will lure more hams to its ranks. New officers will be elected at the next meeting on Feb. 11th.

Steve Loomis, WA9TXN

P. S. Beware all lids, the HHX Woulf Hong has been found. Rick Duel, WB9EBL claims that he is going to clean up 2 meters with it.

FEEDBACK OZAUKEE

WN9CXY successfully made General but the day was saddened by the passing of his little granddaughter. Dr. Tom Helmbrecht is awaiting his Novice and son Dick is taking his soon. T h e y will provide Novice-power for Field Day probably with their new Drake R4. Jeff, WA9YBM reported to boot camp Jan. 18. Our Club received a biting communication from the West Allis RC which painfully pointed out the fact that they had badly beaten us in the last Field Day competition. Some of our normally complacent members heatedly suggested that we challenge them for this year, the losers to provide a half-barrel of panaces. It was loudly and apparently unanimously approved by all present, but without apparent benefit of Robert's Rules. No instructions were given for delivery of the challenge and the meeting was mercifully adjourned before the talk got around to the construction of a spur to bring in the portable Worthington power-supply or the Mays calender of 20 wavelength rhombics. You absent members better attend the meetings to keep things under control and current. The traditional Post-Christmas post-New Year-SET-pre-valentine dinner was held at D & G Drive-In inPort Washington Saturday, Jan. 29th. As this is reported before the event, a good time is always had by all!

Larry Keyes, Secretary

SOUTH MILWAUKEE had promised us "Friendly Basement Reports" by the "Basement Investigator" on unsuspecting hams. "Hamfest So. Milwaukee date has been firmed at July 15th, same place.

FOR SALE: RANGER I w/PTT relay, HQ 129x w/100 Kc xtal calib and Q-multiplier, Globe L.A. I Linear, 300 watts (illegal for CB). Ward K9CLS, 421-1626.